

## Storm Data and Unusual Weather Phenomena - May 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>INDIANA, Northeast</b>				
<b>KOSCIUSKO COUNTY --- 2.8 N NORTH WEBSTER [41.36, -85.70]</b>				
	05/09/14 16:41 EST		0	Hail (0.75 in)
	05/09/14 16:42 EST		0	Source: Official NWS Observations
A few hail pieces to the size of dimes were blown by wind gusts to 50 mph were estimated at the NWS office near North Webster.				
<b>HUNTINGTON COUNTY --- 0.7 N ANDREWS [40.86, -85.60]</b>				
	05/09/14 17:03 EST		0	Thunderstorm Wind (EG 55 kt)
	05/09/14 17:04 EST		0	Source: Emergency Manager
Emergency management officials reported a tree blown down in the 300 block of North Main Street.				
<b>HUNTINGTON COUNTY --- 1.3 ESE MAKIN [40.96, -85.56]</b>				
	05/09/14 17:11 EST		0	Thunderstorm Wind (EG 55 kt)
	05/09/14 17:12 EST		0	Source: Emergency Manager
Emergency management officials reported a tree was down onto State Route 5 blocking one of the lanes, between County Roads 900 and 1000 North.				
<b>ALLEN COUNTY --- 0.5 E NEW HAVEN [41.07, -85.01]</b>				
	05/09/14 17:40 EST		0	Thunderstorm Wind (EG 52 kt)
	05/09/14 17:41 EST		0	Source: Trained Spotter
A trained spotter estimated wind gust to 60 mph.				
<b>NOBLE COUNTY --- 0.9 SE KENDALLVILLE [41.44, -85.26]</b>				
	05/09/14 17:40 EST		0	Hail (0.75 in)
	05/09/14 17:41 EST		0	Source: Public
<b>CASS COUNTY --- 0.7 S NEW WAVERLY [40.76, -86.18]</b>				
	05/09/14 18:52 EST		0	Hail (1.00 in)
	05/09/14 18:53 EST		0	Source: Trained Spotter
A trained spotter reported a large amount of hail with several pieces up to the size of quarters near the intersection of Old and New US 24.				
<b>MIAMI COUNTY --- 0.5 E RIDGEVIEW [40.77, -86.07]</b>				
	05/09/14 19:00 EST		0	Hail (0.88 in)
	05/09/14 19:01 EST		0	Source: Public
A slow moving frontal boundary was draped across portions of northern Indiana. Cloud cover through much of the day limited instability until late afternoon when around 1000 j/kg of CAPE was available and shear profiles were adequate. Thunderstorms developed in western portions of Indiana and moved east but remained below severe limits. As outflow boundaries and pockets of increased heating occurred a few storms were able to strengthen enough to produce isolated larger hail or stronger wind gusts. The Fort Wayne airport did record a 49 KT (56 MPH) wind gust.				
<b>LA PORTE COUNTY --- 0.7 S MICHIGAN CITY [41.71, -86.90]</b>				
	05/11/14 18:26 CST		0	Thunderstorm Wind (EG 55 kt)
	05/11/14 18:27 CST		0	Source: Law Enforcement
Law enforcement officials reported trees down in Michigan City as well as near Westville on County Line Road . Numerous power outages were also reported.				
A long lived complex of thunderstorms moved out of Illinois into western Indiana. The storms began to weaken as they entered the area, but not before causing some tree damage in La Porte County.				
<b>NOBLE COUNTY --- ROME CITY [41.50, -85.38]</b>				
	05/13/14 12:20 EST		0	Thunderstorm Wind (EG 55 kt)
	05/13/14 12:21 EST		0	Source: Public
The public reported a tree was blown down onto State Route 9, partially blocking the road.				

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A cold front moved through the region during the afternoon and evening hours. Abundant sunshine allowed for the unstable conditions. However a poorly sheared environment limited the overall threat. Isolated wind damage reports were noted.				
<b>LA PORTE COUNTY --- 0.7 N UNION MILLS ARPT [41.48, -86.78]</b>				
	05/20/14 21:21 CST		0	Thunderstorm Wind (EG 55 kt)
	05/20/14 21:22 CST		0	Source: State Official
State police reported a tree was blown down onto County Road 1000 South.				
<b>MARSHALL COUNTY --- 0.5 E PLYMOUTH [41.35, -86.31]</b>				
	05/20/14 23:00 EST		0	Thunderstorm Wind (EG 55 kt)
	05/20/14 23:01 EST		0	Source: Broadcast Media
Local media reported a tree was blown down onto a residence on Baker Street.				
<b>ST. JOSEPH COUNTY --- NORTH LIBERTY [41.53, -86.43]</b>				
	05/21/14 02:00 EST		0	Hail (0.75 in)
	05/21/14 02:01 EST		0	Source: Emergency Manager
<b>ST. JOSEPH COUNTY --- NORTH LIBERTY [41.53, -86.43]</b>				
	05/21/14 02:30 EST		0	Hail (0.75 in)
	05/21/14 02:31 EST		0	Source: Emergency Manager
<b>STEUBEN COUNTY --- 1.0 W SALEM CENTER [41.58, -85.17]</b>				
	05/21/14 02:40 EST		0	Hail (1.25 in)
	05/21/14 02:41 EST		0	Source: Public
The public reported hail was covering the ground with sizes ranging from pea to half dollar.				
<b>STEUBEN COUNTY --- 1.4 S WILDWOOD [41.58, -85.18]</b>				
	05/21/14 02:40 EST		0	Hail (1.00 in)
	05/21/14 02:41 EST		0	Source: Trained Spotter
<b>STEUBEN COUNTY --- 2.7 ENE SALEM CENTER [41.59, -85.10]</b>				
	05/21/14 02:47 EST		0	Hail (0.88 in)
	05/21/14 02:48 EST		0	Source: CoCoRaHS
<b>STEUBEN COUNTY --- 2.1 W MOONLIGHT BAY [41.58, -85.07]</b>				
	05/21/14 02:52 EST		20K	Hail (1.00 in)
	05/21/14 02:53 EST		0	Source: Broadcast Media
Broadcast media reported hail damaged a vehicle, as well as siding and window screens on a home. Damage is estimated at \$20,000.				
<b>STEUBEN COUNTY --- 0.5 E MOONLIGHT BAY [41.58, -85.02]</b>				
	05/21/14 02:55 EST		0	Hail (0.75 in)
	05/21/14 02:56 EST		0	Source: Trained Spotter
<b>STEUBEN COUNTY --- 1.0 E STEUBENVILLE [41.53, -85.00]</b>				
	05/21/14 02:58 EST		0	Hail (0.88 in)
	05/21/14 02:59 EST		0	Source: Trained Spotter
<b>DE KALB COUNTY --- 0.9 NE BUTLER [41.44, -84.86]</b>				
	05/21/14 03:32 EST		0	Hail (0.88 in)
	05/21/14 03:33 EST		0	Source: Public

A weak upper level system moved across the region with abundant moisture in place. While CAPE was sufficient for thunderstorms development, shear was somewhat lacking resulting in storms more of a pulse nature. Storms attempted to organize somewhat courtesy of several outflow boundary interactions. Isolated wind and hail reports were noted.

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FULTON COUNTY --- ATHENS [41.05, -86.13]				
	05/26/14 17:30 EST		0	Thunderstorm Wind (EG 55 kt)
	05/26/14 17:31 EST		0	Source: Public

The public reported an area of uprooted trees in Athens with smaller tree branches also down in the area.

**A moderately unstable, but poorly sheared environment was in place across the region. A weak disturbance aided in widely scattered thunderstorms. One thunderstorm produced localized wind damage in northern Indiana.**

ALLEN COUNTY --- 0.5 W (FWA)BAER FLD FT WAY [40.98, -85.19]				
	05/27/14 19:04 EST		0	Thunderstorm Wind (MG 55 kt)
	05/27/14 19:05 EST		0	Source: ASOS

The automated weather station at Fort Wayne International Airport recorded a 63 mph wind gust during the collapse of a thunderstorm over the field.

**An unstable atmosphere allowed for isolated thunderstorms to develop. While overall conditions were not conducive to an increased risk of severe weather, one thunderstorm produced local winds over 60 mph at a local airport as it collapsed.**

### LAKE MICHIGAN

MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- MICHIGAN CITY C-MAN STATION (MCY13) [41.73, -86.91]				
	05/11/14 19:40 EST		0	Marine Thunderstorm Wind (MG 53 kt)
	05/11/14 19:41 EST		0	Source: C-MAN Station

A marine weather station recorded a 61 mph wind gust as severe thunderstorms came onshore.

**A complex of thunderstorms moved out of Illinois into southern Lake Michigan. As the storms came onshore wind gusts of over 60 mph were recorded.**

### OHIO, Northwest

PAULDING COUNTY --- 1.0 W JUNCTION [41.20, -84.47]				
	05/09/14 18:10 EST		0	Thunderstorm Wind (EG 55 kt)
	05/09/14 18:11 EST		0	Source: Law Enforcement

Law enforcement officials reported trees were blown down on County Road T218 between T143 and T149.

**A slow moving frontal boundary was draped across portions of northwestern Ohio. Strong thunderstorms moved out of Allen County in Indiana into portions of northwest Ohio and did produce isolated wind damage.**

HENRY COUNTY --- 0.5 W MC CLURE [41.37, -83.94]				
	05/13/14 15:51 EST		0	Thunderstorm Wind (EG 60 kt)
	05/13/14 15:52 EST		0	Source: Emergency Manager

Emergency management officials reported a large tree was uprooted towards the northeast on Summit Street, between Main and State Route 65.

**A cold front moved through the region during the afternoon and evening hours. Abundant sunshine allowed for the unstable conditions. However a poorly sheared environment limited the overall threat. Isolated wind damage reports were noted.**

ALLEN COUNTY --- 0.8 SW BLUFFTON ARPT [40.87, -83.88], 3.9 N MAYSVILLE [40.79, -83.88], 2.6 N LIMA [40.79, -84.10], 0.5 W CAIRO [40.83, -84.09], 3.6 N CAIRO [40.88, -84.08]				
	05/28/14 17:03 EST	0.10M		Flash Flood (due to Heavy Rain)
	05/28/14 19:30 EST	0		Source: County Official

Sheriff department officials reported extensive flooding in several areas north of U.S. 30, especially around Cairo and Beaverdam. Water up to 1 foot deep was flowing over several roadways. Flash flooding occurred across Interstate 75, south of Mile Marker 138, resulting in closure of the Interstate in both directions. Pictures were also received of high flowing water near the intersection of Hillville Road and Stewart Road, north of Cairo. While no specific details were available, local media reported eight to 10 households suffered serious flooding problems. In addition, the Cairo Branch of the Lima Public Library suffered water damage as six inches of water entered the building. Hundreds of books were ruined as a -result. The threat for life threatening flash flooding ended during the mid-evening hours, but high water remained in several areas into the overnight hours of the 29th.

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A weak trough was located across northwestern Ohio during the afternoon and evening hours. A moist, but marginally unstable atmosphere allowed for thunderstorms to develop and remain relatively stationary over the same areas. Local rainfall amounts of 2 to as much as over 6 inches fell across mainly Allen County, resulting in flash flooding. The flash flooding resulted in a small portion of Interstate 75 being closed due to high water.